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DOCKET NO. 1293.1132/JGM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Du-seop YOON, et al.

Serial No.: 09/620,469

Group Art Unit: 1756

Confirmation No.: 3077

Filed: July 20, 2000

Examiner: Martin J. Angebranndt

For: PHASE CHANGE OPTICAL DISC

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APR 07 2003  
GROUP 1700

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is responsive to the Office Action mailed January 9, 2003, having a shortened period for response set to expire on April 9, 2003.

The following amendments and remarks are respectfully submitted.

IN THE CLAIMS:

Please **AMEND** claims 1 and 18, as follows.

1. (FOUR TIMES AMENDED) A phase change optical disc compatible with a recording beam and a reproducing beam, comprising:
- a transparent substrate;
  - at least one first dielectric layer thinly formed on said transparent substrate;
  - a phase change recording layer which converts between the crystal phase and the amorphous phase by irradiation with the recording beam;
  - a reflective layer; and
  - a phase control layer disposed between said transparent substrate and said phase change recording layer, said phase control layer having two areas defined in a laser spot, the laser spot defined by where the reproducing beam is incident to said phase control layer, wherein:
    - the irradiation with the reproducing beam of said phase control layer within the laser spot causes a phase difference due to one of the two areas changing between a crystal